

ABSTRACT OF THE DISCLOSURE

A crosstalk amount of a rewritable optical disk at an optimum recording power is stored, then the data recorded on the rewritable optical disk are reproduced upon overwriting the 5 data on the rewritable optical disk, then a crosstalk amount in a reproduced signal is detected, and then this crosstalk amount is compared with a reference crosstalk amount. Since the crosstalk amount has such a characteristic that such crosstalk amount is increased larger as a width of a pit is 10 thickened, i.e., a recording power is increased higher, it is possible to detect a recording power value by comparing the crosstalk amounts. As a result, the crosstalk amounts of both data are compared with each other by utilizing this characteristic, and then the recording conditions such as an 15 erasing power, the recording power, etc. are changed in response to the compared result to overwrite the data.